

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A washer, comprising:
 - a washing tub;
 - a metal ion adding portion adding antimicrobial metal ions to water in the washing tub;
 - a treatment substance adding portion adding a treatment substance for washing to the water in the washing tub;
 - a water flow controlling portion controlling flow of water in the washing tub; and
 - a control unit that controls the metal ion adding portion, the treatment substance adding portion, and the water flow controlling portion,wherein, the control unit is configured to:
 - measure time of duration of each period of a predetermined process in a laundry washing session,
 - control, in the predetermined process, at least one of the metal ion adding portion and the treatment substance adding portion, so that at least one of the metal ions and the treatment substance is added to the water in the washing tub and attached to a surface of laundry, the predetermined process including,
 - first and second powerful swirl periods and a mild swirl period, or
 - first and second powerful swirl periods and a still period,
 - control the water flow controlling portion based on the measured time, such that the mild swirl period or still period comes after the first powerful swirl period and the second powerful swirl period comes after the mild swirl period or still period, the second powerful swirl period being shorter than the first powerful swirl period, and

control the water flow controlling portion based on the measured time, such that the time of the predetermined process is longer when metal ions are added than when no metal ions are added but the treatment substance is added.

2. (Canceled)

3. (Canceled)

4. (Previously Presented) The washer according to claim 1,

wherein a ratio of the first powerful swirl period and the mild swirl period or a ratio of the first powerful swirl period and the still period is constant, regardless of a volume of water in the washing tub and/or an amount of laundry.

5. (Previously Presented) The washer according to claim 1,

wherein a ratio of the first powerful swirl period and the mild swirl period or a ratio of the first powerful swirl period and the still period varies in accordance with a volume of water in the washing tub and/or an amount of laundry.

6. (Canceled)

7. (Previously Presented) The washer according to claim 1,

wherein the predetermined process is a final rinsing process.

8. (Previously Presented) A washer, comprising:

a washing tub;

a metal ion adding portion adding antimicrobial metal ions to water in the washing tub;

an unbalance detecting portion detecting unbalance in the washing tub;

an unbalance correcting portion correcting the unbalance by agitating inside the washing tub, and

a control unit that controls the metal ion adding portion and the unbalance correcting portion,

wherein the control unit is configured to:

detect whether the metal ions have been added to the water in final rinsing before a squeezing process,

control the metal ion adding portion to add the antimicrobial metal ions to the water in the washing tub in a predetermined process in a laundry washing session, and

wherein the control unit is configured to, when the unbalance detecting portion detects unbalance in the washing tub during squeezing rotation of the washing tub performed thereafter, detect that the metal ions have been added in the final rinsing, control the unbalance correcting portion and the metal ion adding portion to execute rinsing for correcting uneven spreading of laundry in which, while water having the metal ions added thereto is supplied, agitation is performed.

9. (Canceled)

10. (Previously Presented) The washer according to claim 8,
wherein when the rinsing for correcting uneven spreading of laundry is executed while the water having the metal ions added thereto is supplied, an amount of metal ions added is less than that added in previous processes.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Previously Presented) The washer according to claim 1,
wherein the metal ion adding portion is an ion elution unit that elutes metal ions by applying a voltage between electrodes.

17. (Currently Amended) A washer, comprising:

a washing tub;

a metal ion adding portion adding antimicrobial metal ions to water in the washing tub;

an unbalance detecting portion detecting unbalance in the washing tub;

an unbalance correcting portion correcting the unbalance by agitating inside the washing tub; and

an informing portion giving an indication and/or notification that water having no metal ions added thereto is being supplied to the washing tub; and

a control unit that controls the metal ion adding portion, the unbalance correcting portion, and the informing portion,

wherein, the control unit is configured to:

detect whether the metal ions have been added to the water in final rinsing before a squeezing process,

control the metal ion adding portion to add the metal ions to the water in the washing tub in a predetermined process in a laundry washing session, and

wherein the control unit is configured to, when the unbalance detecting portion detects unbalance in the washing tub during squeezing rotation of the washing tub performed thereafter, detect the metal ions have been added in the final rinsing, control the unbalance correcting portion to execute rinsing for correcting uneven spreading of laundry in which, while water having no metal ions added thereto is supplied, agitation is performed, and control the informing portion to give an indication and/or notification that water having no metal ions added thereto is being supplied to notify a user that expected antimicrobial effect may not be achieved.

18. (New) The washer according to claim 1,

wherein the predetermined process is performed with the laundry immersed in water inside the washing tub.